Patent Claims

1. Method for performing communication on a bus structured network between master device (AV1) and slave devices (AV2, PC, LSij, DSij) using a bi-directional data stream (DSA) for secure communication and a unidirectional data stream (DSI) for real-time communication, **characterized** in that the unidirectional data stream (DSI) is used for a certain type of secure communication (CIV, CIB) between a master device (AV1) and at least one slave device (AV2, PC, LSij, DSij).

2. Method according to claim 1, **characterized** in that said certain type of secure communication (CIV, CIB) is a control command (CIV, CIB).

3. Method according to claim 1 or 2, **characterized** in that said certain type of secure communication (CIV, CIB) is sent in a repeated manner.

4. Method according to one of claims 1-3, **characterized** in that disturbance on the communication network is detected, its degree is determined, and, depending on said degree of disturbance, the use of unidirectional data stream for secure communication is reduced.

5. Method according to one of claims 1-4, **characterized** in that secure communication information (CIV, CIB) which is to be issued by a slave device (AV2, PC, LSij, DSij) to several other devices (AV1, AV2, PC, LSij, DSij) is issued as secure communication information (DSA) to a master device (AV1) only, which transmits it as said certain type of secure

communication information (CIV, CIB) via unidirectional data stream (DSI) to the other devices (AV2, PC, LSij, DSij).

6. Method for a slave device for performing communication according to one of claims 1-5, **characterized** in that the slave device (AV2, PC, LSij, DSij), for retrieving said certain type of secure communication information (CIV, CIB), scans and decodes both, bidirectional data streams (DSA) and unidirectional data streams (DSI) received from said bus.

7. Method for a master device for performing communication according to one of claims 1-5, **characterized** in that the master device (AV1) sends certain type of secure information (CIV, CIB) to several slave devices (AV2, PC, DSij, LSij) on said bus using a unidirectional data stream (DSI).

8. Network, slave device or master device for performing the method according to one of claims 1-5, 1-6, or 1-5 and 7, respectively.